

METHOD OF SELF ENHANCEMENT OF SEARCH
RESULTS THROUGH ANALYSIS OF SYSTEM LOGS

ABSTRACT

An automatic search index/meta data self-enhancement system includes a search system
5 log analyzer, which periodically looks through the search system log, of a database, for search
queries that did not bring satisfactory results; a search query analyzer which applies query
enhancement techniques to the unsatisfactory queries by using glossary terms, synonyms, known
typos, translated words, etc. to enhance the queries and categorize them; a relevant document
finder which, based on the enhanced query terms and their categorization and subject, uncovers
10 documents that were not previously found and links the documents to the query terms in the
search index; and a search index/meta data enhancer, that enhances the meta/data of the
documents based on the enhanced query terms in the search index, to reflect these new keywords
to allow documents turned up by the enhanced query to be returned when similar future searches
are entered by users.